

VL-SI1313-C (Pro Curve series - side bend)

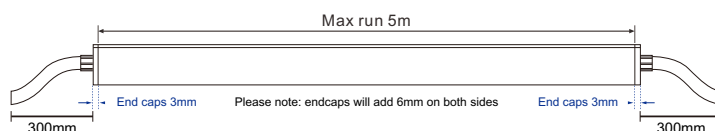
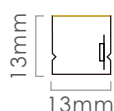
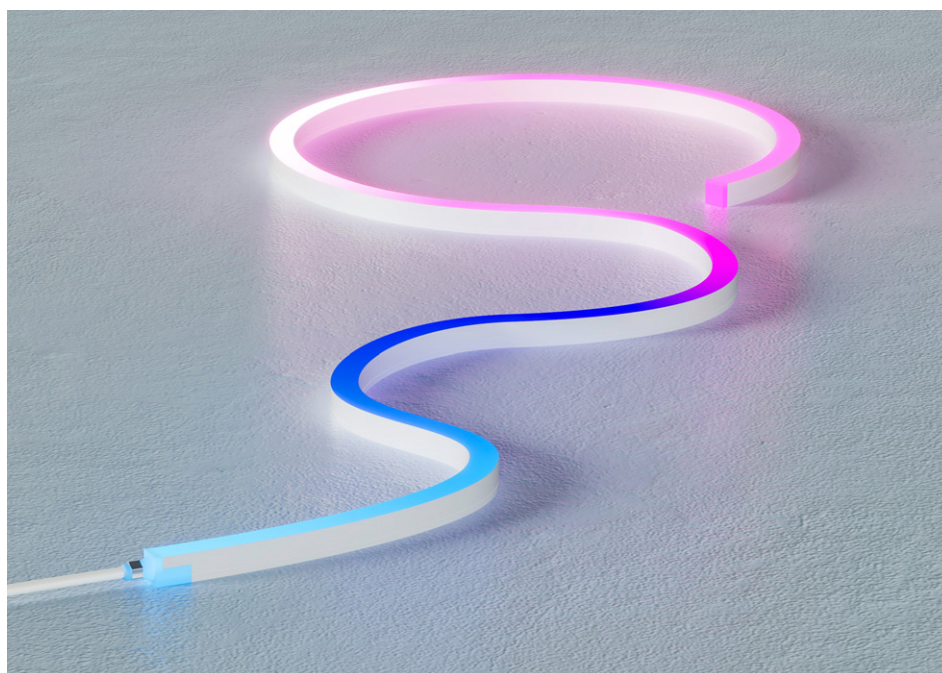


Side-bend - Flex Neon 24V

12W/m | 3000K CRI>90 | 720Lm/m

12W/m | RGBW | 420Lm/m

PROJECT		REFERENCE TYPE	
SPECIFIED BY		QUANTITY	
DATE		NOTE	



Cable Specs:
Mono: 2*18AWG UL
TW / SPI: 3*20AWG UL
RGB: 4*22AWG UL
RGBW: 5*22AWG U



FEATURES

Fully automated extrusion silicone LED flexible neon, for outdoor and indoor architectural application, IP67 protection, specially in-feed system and end cap design enable a dot-free alignment of numerous fixtures.

Optics & Electronics

Unique integrated circuit design ensures uniformed light intensity along the entire length of fixture. LED with 3-step MacAdam and guaranteeing consistency and high quality of light.

Customization

Front, bottom and side cable entry options available for different install options. Endless fixture length configurations allow for the ultimate freedom of design. Cut lengths and terminations are pre-assembled at Vals Lighting factory to ensure IP rating.

Life Cycle

Long lifetime of L70B10>54,000 hours with Five-year limited warranty indoor and outdoor.

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SPECIFICATION LOGIC

FAMILY	POWER W/m	NOMINAL LENGTH	Light Color	INPUT VOLTAGE	CABLE ENTRY	IP RATING
VL-SI1313-C	12W/m	Max.run length - 5m	MONO TW RGB RGBW SPI	24VDC	FF - Front + Front SS - Side + Side BB - Bottom + Bottom FX - Front + Closed SX - Side + Closed BX - Bottom + Closed	IP67

Order example: VL-SI1313-C-5m-927K-SS

PRODUCT SPECIFICATIONS

MONO		
Electrical	Series Part Number	VL-SI1313-C-930K-12W
	Power	12W/m
	Input Voltage	24VDC
Physical	Minimum Length	Free-cut
	Width x Height	13mm x 13mm
	Body Finish	Premium silicone / white
	Bend Direction	Horizontal (side bending)
	Bend Radius	75mm
	Qty of LED	120LEDs/m
	IC Type	/
	Cable Entry Options	Front, Side, Bottom
	Fixture Connections	IP67 injection-moulded input and end cap
Optical	LED Type	2835 LED
	Control Protocol	0-10V or PWM or Dali
	Lumen Output	720Lm/m(3000K) 758Lm/m(4000K) 806Lm/m(6500K)
	Efficacy	60Lm/W(CRI90, 3000K)
	Lumen Maintenance	L70B10@54,000 hours
Temperature Range	Storage Temperature	-25°Cmin, 60°Cmax
	Max Ambient Temperature	50°C
	Min Ambient Temperature	-25°C

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PRODUCT SPECIFICATIONS

Tunable white		
Electrical	Series Part Number	VL-SI1313-C-TW-12W
	Power	12W/m
	Input Voltage	24VDC
Physical	Minimum Length	50mm
	Width x Height	13mm x 13mm
	Body Finish	Premium silicone / white
	Bend Direction	Horizontal (side bending)
	Bend Radius	75mm
	Qty of LED	240LEDs/m
	IC Type	/
	Cable Entry Options	Front, Side, Bottom
	Fixture Connections	IP67 injection-moulded input and end cap
Optical	LED Type	2835 LED
	Control Protocol	0-10V or PWM or Dali
	Lumen Output	330Lm/m(2700K) 720Lm/m(4000K) 360Lm/m(6500K)
	Efficacy	60Lm/W(CRI90, 4000K)
	Lumen Maintenance	L70B10@54,000 hours
Temperature Range	Storage Temperature	-25°Cmin, 60°Cmax
	Max Ambient Temperature	50°C
	Min Ambient Temperature	-25°C

PRODUCT SPECIFICATIONS

RGB		
Electrical	Series Part Number	VL-SI1313-C-RGB-12W
	Power	12W/m
	Input Voltage	24VDC
Physical	Minimum Length	50mm
	Width x Height	13mm x 13mm
	Body Finish	Premium silicone / white
	Bend Direction	Horizontal (side bending)
	Bend Radius	75mm
	Qty of LED	120LEDs/m
	IC Type	/
	Cable Entry Options	Front, Side, Bottom
	Fixture Connections	IP67 injection-moulded input and end cap
Optical	LED Type	4040 LED
	Control Protocol	PWM or Dali
	Lumen Output	RGB: 300Lm/m
	Efficacy	25Lm/W
	Lumen Maintenance	L70B10@54,000 hours
Temperature Range	Storage Temperature	-25°Cmin, 60°Cmax
	Max Ambient Temperature	50°C
	Min Ambient Temperature	-25°C

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PRODUCT SPECIFICATIONS

		RGBW
Electrical	Series Part Number	VL-SI1313-C-RGBW-12W
	Power	12W/m
	Input Voltage	24VDC
Physical	Minimum Length	50mm
	Width x Height	13mm x 13mm
	Body Finish	Premium silicone / white
	Bend Direction	Horizontal (side bending)
	Bend Radius	75mm
	Cable Entry Options	Front, Side, Bottom
Optical	Fixture Connections	IP67 injection-moulded input and end cap
	LED Type	4040 LED
	Control Protocol	PWM or Dali
	Lumen Output	RGBW: 420Lm/m
	Efficacy	35Lm/W
	Lumen Maintenance	L70B10@54,000 hours
Temperature Range	Storage Temperature	-25°Cmin, 60°Cmax
	Max Ambient Temperature	50°C
	Min Ambient Temperature	-25°C

PRODUCT SPECIFICATIONS

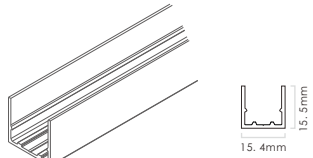
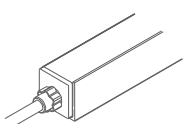
		RGB-SPI
Electrical	Series Part Number	VL-SI1313-C-PXRGB-12W
	Power	12W/m
	Input Voltage	24VDC
	Minimum Length	50mm
Physical	Width x Height	13mm x 13mm
	Body Finish	Premium silicone / white
	Bend Direction	Horizontal (side bending)
	Bend Radius	75mm
	No. of Pixels	20pixels/m, IC code UCS2903B
	Cable Entry Options	Front, Side, Bottom
Optical	Fixture Connections	IP67 injection-moulded input and end cap
	LED Type	4040 LED
	Control Protocol	SPI
	Lumen Output	RGB: 280Lm/m
	Efficacy	23Lm/W
	Lumen Maintenance	L70B10@54,000 hours
Temperature Range	Storage Temperature	-25°Cmin, 60°Cmax
	Max Ambient Temperature	50°C
	Min Ambient Temperature	-25°C

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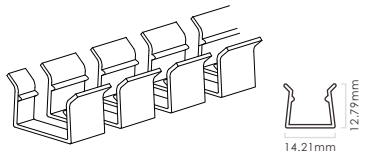
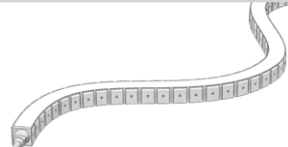


PROFILES AND MOUNTING OPTIONS

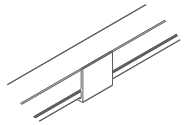
FIXED ALUMINUM PROFILE

	EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
		1313-FAP-_____MM	FAP- Fixed aluminum profile

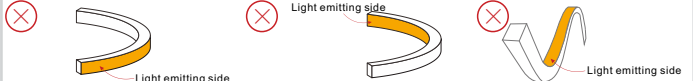
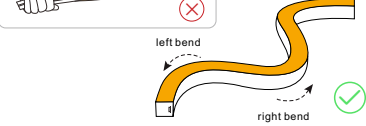
BENDABLE STAINLESS STEEL PROFILE

	EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
		1313-BSP-_____MM	BSP- Bendable stainless steel profile

MOUNTING CLIPS

	EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
		1313-MC	MC- Mounting clips

MIN. BENDING DIAMETER INSTRUCTION

Bending in CURE form - horizontal		
DO NOT bend in wave form - vertical		

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CABLE ENTRY OPTION EXAMPLES INTEGRATED EXTRUSION				
F-FRONT	S-SIDE-LEFT	S-SIDE-RIGHT	B-BOTTOM	SEAMLESS SPLICING
FX 	SLX 	SRX 	BX 	
FF 	SLSL 	SRSR 	BB 	

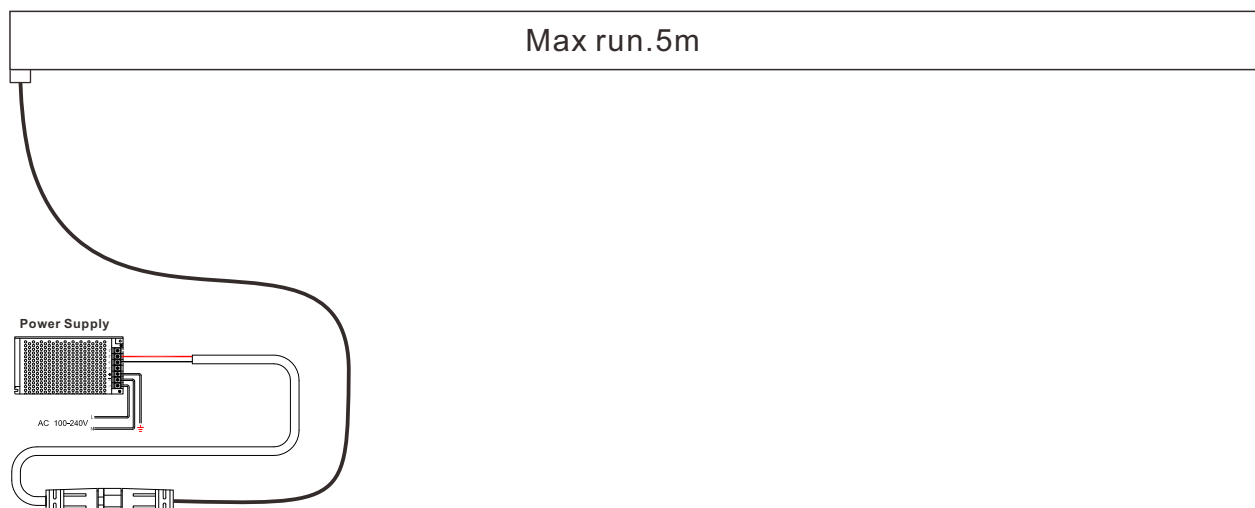
CABLE ENTRY OPTION EXAMPLES PLUG-IN CAP				
F-FRONT	S-SIDE-LEFT	S-SIDE-RIGHT	B-BOTTOM	DIY
FX 	SLX 	SRX 	BX 	
FF 	SLSL 	SRSR 	BB 	

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WIRING ELECTRICAL DIAGRAM

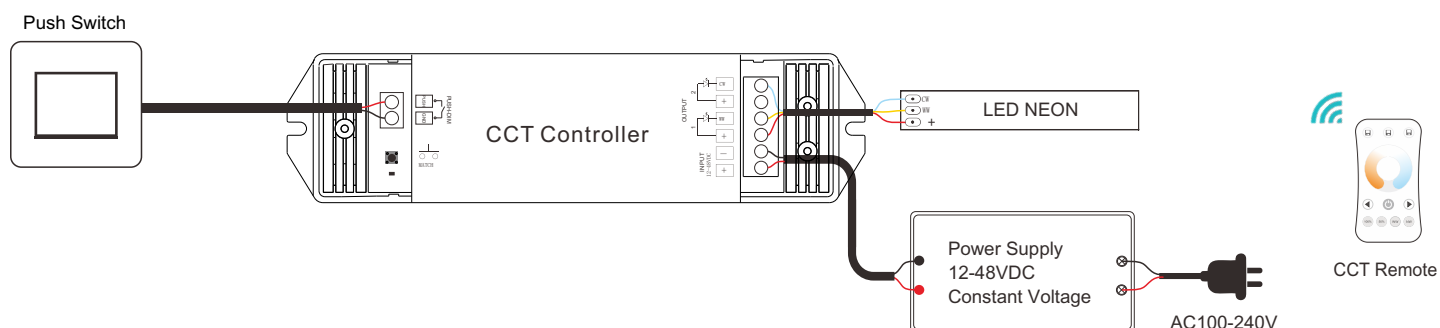
MONO

Input by one end



WIRING ELECTRICAL DIAGRAM

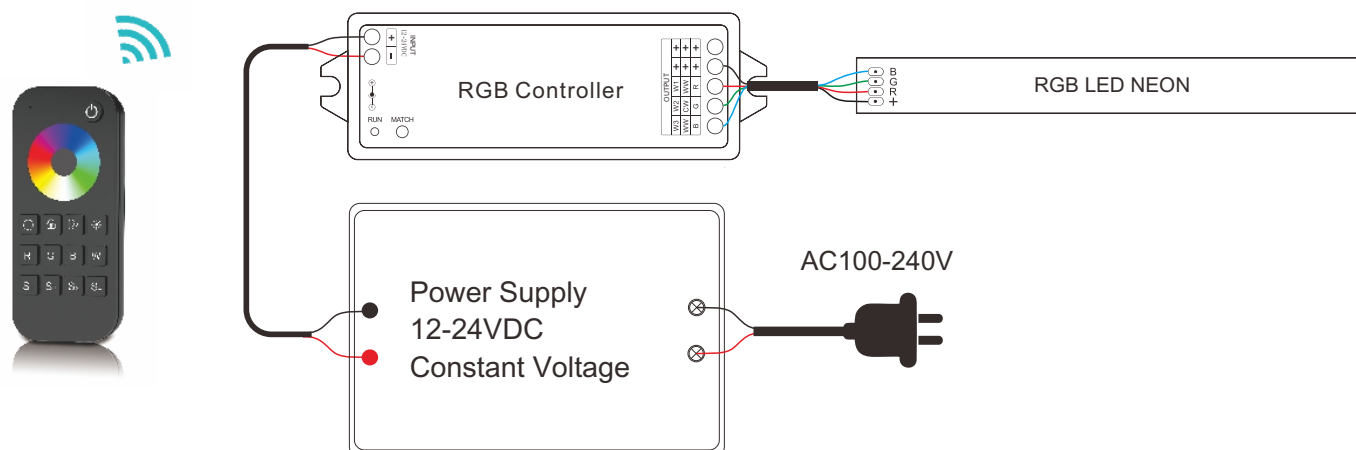
Tunable white



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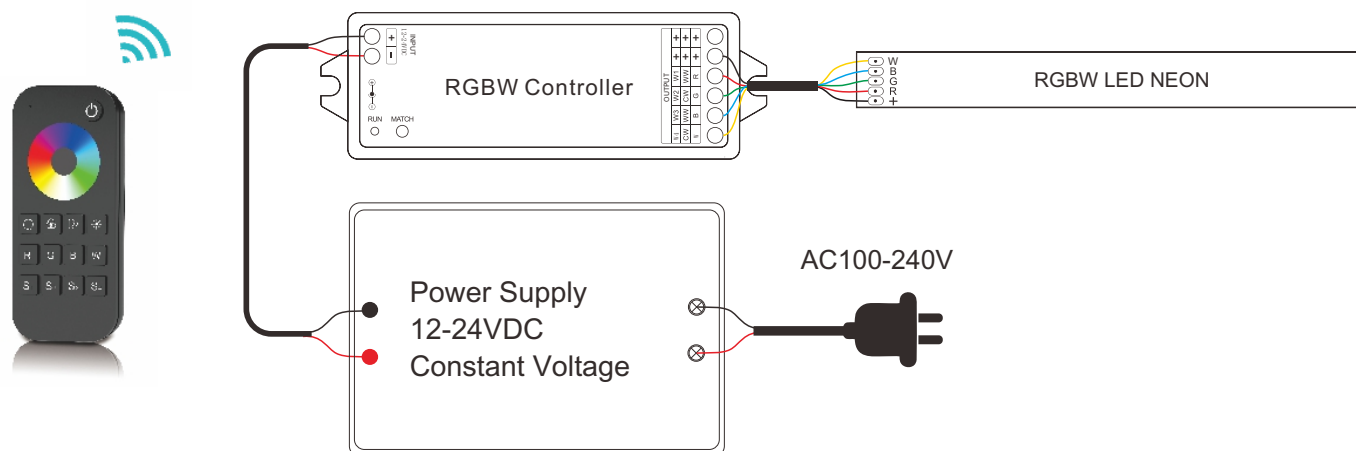
WIRING ELECTRICAL DIAGRAM

RGB



WIRING ELECTRICAL DIAGRAM

RGBW



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WIRING ELECTRICAL DIAGRAM

RGB-SPI

